

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1488.1070006APPLICATION NO.
09/373,658APPLICANT
Iruela-Arispe *et al.*FILING DATE
August 13, 1999GROUP
To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
KAC	AL1	EP 0 874 050 A2	10/28/1998	Europe			Yes No
KAC	AM1	WO 98/55643	12/10/1998	WIPO			Yes No
KAC	AN1	WO 99/07850	02/18/1999	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KAC	AR	1	Adams, J.C., "Molecules in Focus: Thrombospondin-1," <i>Int. J. Biochem. Cell Biol.</i> 29:861-865 (June 1997)
KAC	AS	1	Asch, A.S. <i>et al.</i> , "Analysis of CD36 Binding Domains: Ligand Specificity Controlled by Dephosphorylation of an Ectodomain," <i>Science</i> 262:1436-1440 (1993)
KAC	AT	1	Bjarnason, J.B. and J.W. Fox, "Snake Venom Metalloendopeptidases: Reprolysins," <i>Meth. Enzymol.</i> 248:345-369 (1995)

EXAMINER

Karen A. Canella

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4/20/01

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1488.1070006	APPLICATION NO. 09/373,658
	APPLICANT Syruela-Arispe <i>et al.</i>	
	FILING DATE August 13, 1999	GROUP To be assigned

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	AP						Yes No

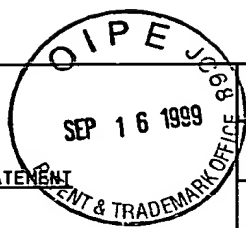
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KAC	AR	2	Bornstein, P., "Thrombospondins: structure and regulation of expression," <i>FASEB J.</i> 6:3290-3299 (1992)
KAC	AS	2	Catimel, B. <i>et al.</i> , "Human platelet glycoprotein IIb binds to thrombospondin fragments bearing the C-terminal region, and/or the type I repeats (CSVTCG motif), but not to the N-terminal heparin-binding region," <i>Biochem. J.</i> 284:231-236 (1992)
KAC	AT	2	Colige, A. <i>et al.</i> , "cDNA cloning and expression of bovine procollagen I N-proteinase: A new member of the superfamily of zinc-metalloproteinases with binding sites for cells and other matrix components," <i>Proc. Natl. Acad. Sci. USA</i> 94:2374-2379 (March 1997)

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KAC	AR	3	Dameron, K.M. <i>et al.</i> , "Control of Angiogenesis in Fibroblasts by p53 Regulation of Thrombospondin-1," <i>Science</i> 265:1582-1584 (1994)
KAC	AS	3	Dawson, D.W. <i>et al.</i> , "CD36 Mediates the In Vitro Inhibitory Effects of Thrombospondin-1 on Endothelial Cells," <i>J. Cell Biol.</i> 138:707-717 (August 1997)
KAC	AT	3	Guo, N.-H. <i>et al.</i> , "Heparin-binding Peptides from the Type I Repeats of Thrombospondin," <i>J. Biol. Chem.</i> 267:19349-19355 (1992)

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KAL	AR	4	Guo, N.-H. <i>et al.</i> , "Antiproliferative and antitumor activities of D-reverse peptides derived from the second type-1 repeat of thrombospondin-1," <i>J. Peptide Res.</i> 50:210-221 (September 1997)
KAL	AS	4	Iruela-Arispe, M.L. <i>et al.</i> , "Differential Expression of Thrombospondin 1, 2, and 3 During Murine Development," <i>Develop. Dynamics</i> 197:40-56 (1993)
KAL	AT	4	Iruela-Arispe, M.L. and H.F. Dvorak, "Angiogenesis: a Dynamic Balance of Stimulators and Inhibitors," <i>Thrombosis & Haemostasis</i> 78:672-677 (July 1997)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KAC	AR	5	Kuno, K. <i>et al.</i> , "Molecular Cloning of a Gene Encoding a New Type of Metalloproteinase-disintegrin Family Protein with Thrombospondin Motifs as an Inflammation Associated Gene," <i>J. Biol. Chem.</i> 272:556-562 (January 1997)
KAC	AS	5	Kyriakides, T.R. <i>et al.</i> , "Mice That Lack Thrombospondin 2 Display Connective Tissue Abnormalities That Are Associated with Disordered Collagen Fibrillogenesis, an Increased Vascular Density, and a Bleeding Diathesis," <i>J. Cell Biol.</i> 140:419-430 (January 1998)
KAC	AT	5	Lawler, J. <i>et al.</i> , "Thrombospondin-1 Is Required for Normal Murine Pulmonary Homeostasis and Its Absence Causes Pneumonia," <i>J. Clin. Invest.</i> 101:982-992 (March 1998)

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188.1070006APPLICATION NO.
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KAC	AR	6	Nishimori, H. <i>et al.</i> , "A novel brain-specific p53-target gene, BAI1, containing thrombospondin type 1 repeats inhibits experimental angiogenesis," <i>Oncogene</i> 15:2145-2150 (October 1997)
KAC	AS	6	Pfaff, M. <i>et al.</i> , "Comparison of Disintegrins with Limited Variation in the RGD Loop in Their Binding to Purified Integrins α IIb β 3, α V β 3 and α 5 β 1 and in Cell Adhesion Inhibition," <i>Cell Adhesion & Comm.</i> 2:491-501 (1994)
KAC	AT	6	Rawlings, N.D. and A.J. Barrett, "Evolutionary Families of Metallopeptidases," <i>Meth. Enzymol.</i> 248:183-229 (1995)

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KAC	AR	7	Tolsma, S.S. <i>et al.</i> , "Peptides Derived from Two Separate Domains of the Matrix Protein Thrombospondin-1 Have Anti-Angiogenic Activity," <i>J. Cell Biol.</i> 122:497-511 (1993)
KAC	AS	7	Usami, Y. <i>et al.</i> , "A 28 kDa-protein with disintegrin-like structure (jararhagin-C) purified from <i>Bothrops jararaca</i> venom inhibits collagen- and ADP-induced platelet aggregation," <i>Biochem. & Biophys. Res. Comm.</i> 201:331-339 (1994)
KAC	AT	7	Vogel, T. <i>et al.</i> , "Modulation of Endothelial Cell Proliferation, Adhesion, and Motility by Recombinant Heparin-Binding Domain and Synthetic Peptides From the Type I Repeats of Thrombospondin," <i>J. Cell. Biochem.</i> 53:74-84 (1993)

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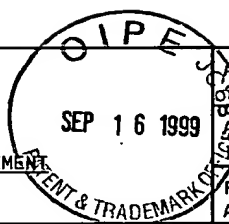
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KAC	AR	8	Wolfsberg, T.G. and J.M. White, "Review: ADAMS in Fertilization and Development," <i>Develop. Biol.</i> 180:389-401 (1996)
KAC	AS	8	GenBank Accession No. D67076, Kuno, K. (February 1999)
KAC	AT	8	GenBank Accession No. AB001735, Kuno, K. (January 1998)

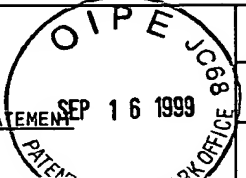
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
KAC	AR	2	GenBank Accession No. X14787, Hennessy, S.W. <i>et al.</i> (1995)
KAC	AS	2	GenBank Accession No. U64857, Wilson, R. <i>et al.</i> (November 1998)
KAC	AT	2	GenBank Accession No. X04665, Lawler, J. and R.O. Hynes (1995)

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SEP 16 1999		APPLICANT Luella-Arispe <i>et al.</i>		FILING DATE August 13, 1999	
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KAL	AR	10	GenBank Accession No. M64866, Bornstein, P. <i>et al.</i> (1993)
KAL	AS	10	GenBank Accession No. L07803, Laherty, C.D. <i>et al.</i> (1994)
KAL	AT	10	GenBank Accession No. U08006, Michelotti, G.A. <i>et al.</i> (1995)

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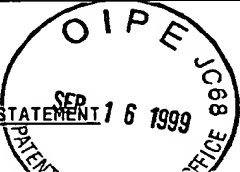
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KAC	AR	<u>11</u>	GenBank Accession No. M16974, Rao, A.G. <i>et al.</i> (1994)
KAC	AS	<u>11</u>	GenBank Accession No. L13855, Dean, H.J. and A.K. Cheung (1994)
KAC	AT	<u>11</u>	GenBank Accession No. AL021529, Murphy, L. and D. Harris (January 1998)

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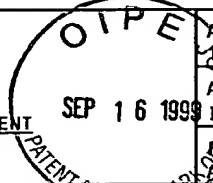
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KAC	AR	<u>12</u>	GenBank Accession No. D86074, Sudo, S. (February 1999)
KAC	AS	<u>12</u>	GenBank Accession No. L05390, Blanco, G. <i>et al.</i> (1993)
KAC	AT	<u>12</u>	GenBank Accession No. Z69361, Gajadsty, S. <i>et al.</i> (November 1998)

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<i>KAC</i>	AS	<u>13</u>	GenBank Accession No. AF018073, Schneider, K.H. <i>et al.</i> (October 1997)
<i>KAC</i>	AT	<u>13</u>	GenBank Accession No. L23760, Lin, Q. <i>et al.</i> (1994)

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KAC	AR	14	GenBank Accession No. Z46970, Wiese, M. (1995)
KAC	AS	14	GenBank Accession No. AC004449, Lamerdin, J.E. <i>et al.</i> (September 1998)
KAC	AT	14	GenBank Accession No. Z69589, Dreusch, A. <i>et al.</i> (1996)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KAC	AR	<u>15</u>	GenBank Accession No. Z22279, Zabarovsky, E. <i>et al.</i> (1994)
L	AS	<u>15</u>	GenBank Accession No. X17524, Ohama, T. <i>et al.</i> (1992)
✓	AT	<u>15</u>	GenBank Accession No. AB005287, Ueno, A. <i>et al.</i> (March 1998)

EXAMINER

Karen A. Gancello

DATE CONSIDERED

4/20/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

SEP 16 1999

PATENT & TRADEMARK OFFICE

ATTY. DOCKET NO.
1488.1070006APPLICATION NO.
09/373,658APPLICANT
Iruela-Arispe *et al.*FILING DATE
August 13, 1999GROUP
To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KAC	AR	<u>16</u>	GenBank Accession No. X87619, Zafar, R.S. (1995)
↓	AS	<u>16</u>	GenBank Accession No. M87276, Laherty, C.D. <i>et al.</i> (1994)
↓	AT	<u>16</u>	GenBank Accession No. M62458, Lawler, J. <i>et al.</i> (1994)

EXAMINER

Karen G. Canella

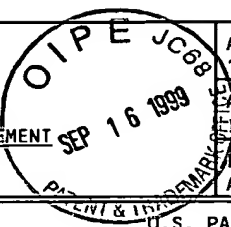
DATE CONSIDERED

4/20/01

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1488.1070006APPLICATION NO.
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KAC	AR	<u>17</u>	GenBank Accession No. AB002364, Nagase, T. <i>et al.</i> (February 1999)
	AS	<u>17</u>	GenBank Accession No. AB005297, Nakamura, Y. <i>et al.</i> (November 1997)
↓	AT	<u>17</u>	GenBank Accession No. X69161, Akam, M.E. <i>et al.</i> (1995)

EXAMINER

Karen A. Canella

DATE CONSIDERED

-4/26/01

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FORM PTO-1449

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SEP 16 1999

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FOREIGN PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KAC	AR	<u>18</u>	GenBank Accession No. X16619, Debuchy, R. <i>et al.</i> (February 1999)
↓	AS	<u>18</u>	GenBank Accession No. I36448, Goodearl, A. <i>et al.</i> (March 1997)
↓	AT	<u>18</u>	GenBank Accession No. L12260, Marchionni, M.A. <i>et al.</i> (September 1997)

EXAMINER

Karen A. Ganella

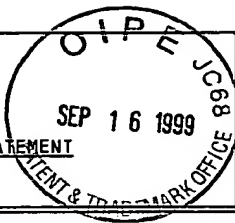
DATE CONSIDERED

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

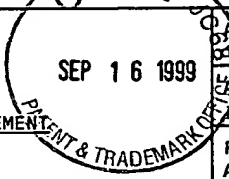
KAC	AR	<u>19</u>	GenBank Accession No. 136352, Goodearl, A. <i>et al.</i> (March 1997)
I	AS	<u>19</u>	GenBank Accession No. X15898, Liberator, P.A. <i>et al.</i> (1995)
↓	AT	<u>19</u>	GenBank Accession No. 107789, Liberator, P.A. <i>et al.</i> (1994)

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Karen G. Canella

DATE CONSIDERED 4/20/01

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FORM PTO-1449				PATTY. DOCKET NO. 88.1070006	APPLICATION NO. 09/373,658
INFORMATION DISCLOSURE STATEMENT				APPLICANT Aruela-Arispe <i>et al.</i>	
				FILING DATE August 13, 1999	GROUP To be assigned

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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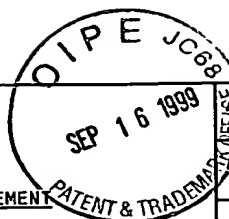
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
KAC	AR	<u>20</u>	GenBank Accession No. I08144, Altenburger, W. <i>et al.</i> (1994)
↓	AS	<u>20</u>	GenBank Accession No. U31814, Yang, W.M. <i>et al.</i> (1996)
↓	AT	<u>20</u>	GenBank Accession No. AF001444, Mundlos, S. <i>et al.</i> (August 1997)

EXAMINER	<i>Karen G. Canella</i>	DATE CONSIDERED	<i>4/20/01</i>
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
88.1070006APPLICATION NO.
09/373,658APPLICANT
Iruela-Arispe *et al.*FILING DATE
August 13, 1999GROUP
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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KAC	AR	21	English language translation of WO 98/55643 (Document AM1)
	AS		
	AT		

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Karen G. Gamella

DATE CONSIDERED

4/20/01

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1488.1070006	APPLICATION NO. 09/373,658
	APPLICANT Iruela-Arispe <i>et al.</i>	
	FILING DATE August 13, 1999	GROUP 1646

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes sNo
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR		
<i>KAC</i>	AS	21	Vazquez, F. <i>et al.</i> , "Meth-1 and Meth-2 are Novel Proteins that Contain the Anti-Angiogenic Domain of Thrombospondin 1," <i>FASEB J.</i> 11:A336, Abstract No. 1947 (February 1997)
	AT		

EXAMINER <i>Karen Q. Gamella</i>	DATE CONSIDERED <i>4/20/01</i>
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